

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 514373

Manufacturer: MI Windows & Doors, LLC.
650 West Market Street
Gratz, PA 17030

Product Line: Series 185 Aluminum Single Hung Window 52" x 62" - Impact

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(a). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03379, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: 1583.06-106-11 signed and sealed by Michael D. Stremmel, P.E.
Molimo, LLC. York, PA.
AAMA/WDMA/CSA 101/I.S.2/A440-11
Design pressure: +50.13/-63.70psf
Water penetration resistance 9.20psf
3. Report No.: 1711.04-106-12 signed and sealed by Michael D. Stremmel, P.E.
Molimo, LLC. York, PA.
AAMA/WDMA/CSA 101/I.S.2/A440-11
Design pressure: +50.13/-63.70psf
Water penetration resistance 9.20psf
4. Report No.: 1711.08-106-12 signed and sealed by Michael D. Stremmel, P.E.
Molimo, LLC. York, PA.
ASTM E1886-13 and ASTM E1996-14
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
ASTM E1886/ E1996 Cyclic Load Test, +50.13/-63.70psf design pressure
5. Anchor calculations, report number 514373-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: +50.0/-63.0psf
- Unit size: 52 1/8" x 62"
- Units must be glazed per ASTM E1300-04/09, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions, up to wind zone 3.
- Frame material to be Extruded Aluminum 6063-T5

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03379.

Certification of Independence:

Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

